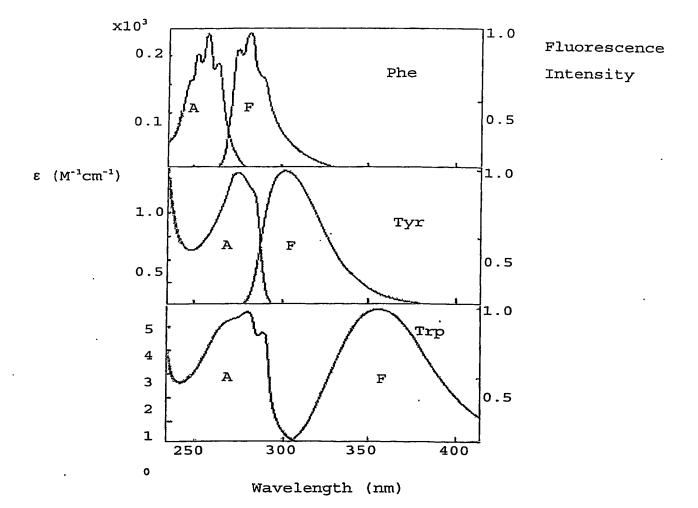


Figure 5



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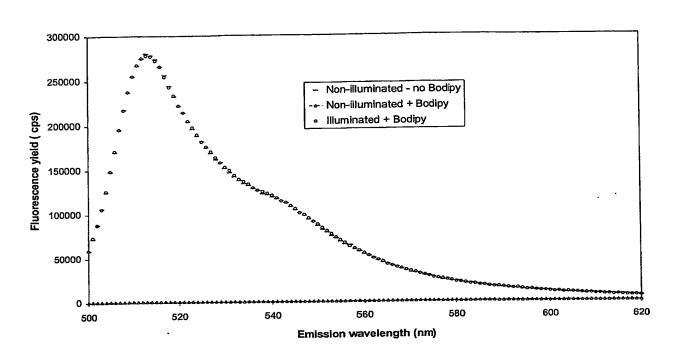
6/20

Figure 6

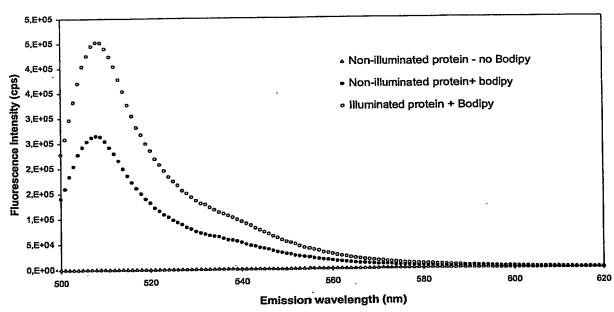
7/20

Figure 7

Α



В



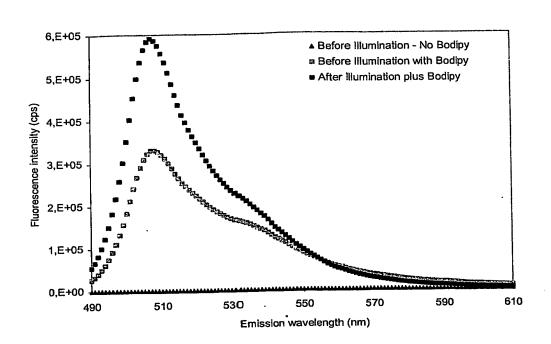
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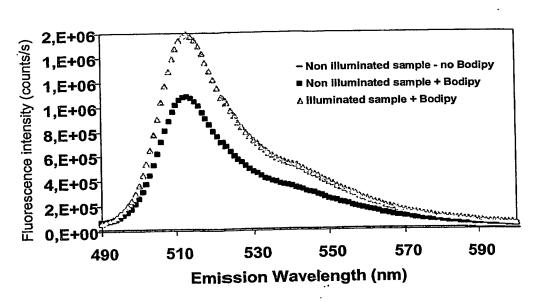
Figure 8

Α

WO 2004/065928



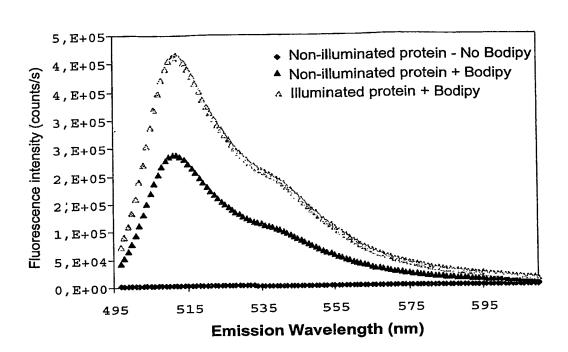
В



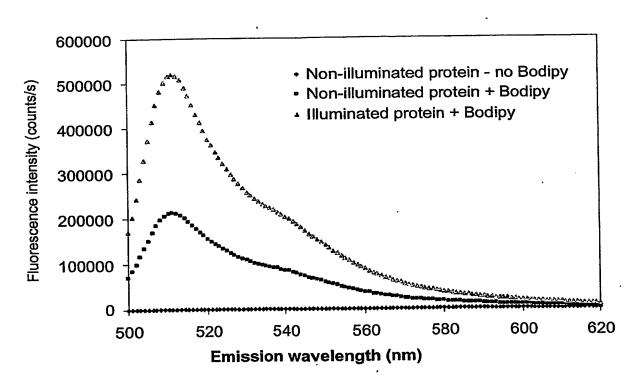
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C

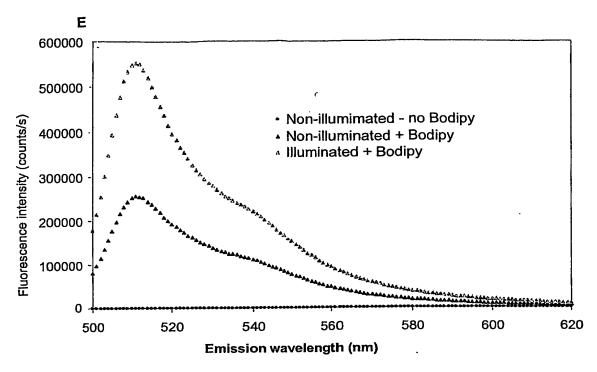


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F

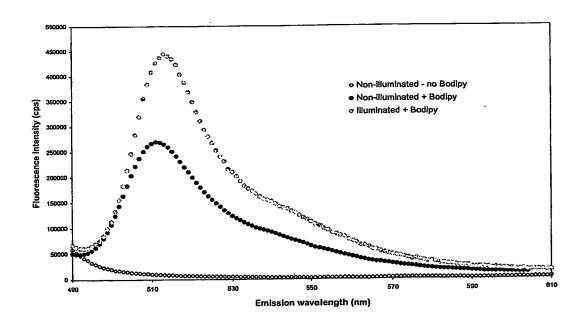


Figure 9

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The Tyr, Trp

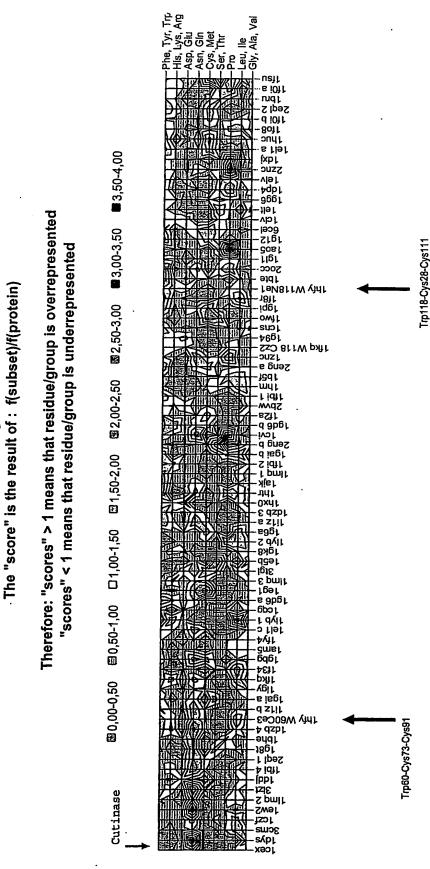
His, Lys, Arg

His, Ly Therefore: "scores" > 1 means that residue/group is overrepresented "scores" < 1 means that residue/group is underrepresented - iggt -- 1811 -- 51d1 -- 520S The "score" is the result of:f(subset)/f(protein) The sept of the se - snot - owit - igni 8 Ångstrøm neighbourhood 1999 1947 1967 1968 1969 1969 1969 1969 1969 1969 1969 1951 a-1197-1184-1134-1960-1960--endt -4 dsbt -18dt -d stit -6 isot ■2,50-3,00 图2,00-2,50 E1,50-2,00 01,00-1,50 -186L 3,50-4,00 3,00-3,50 **00,1-09** -1551 -2we1 -2 pml1 -158 -16b1 -1 id11 -1 id21 -sm5E lcex-

SUBSTITUTE SHEET (RULE 26)

8 Angstrøm neighbourhood

Figure 10



SUBSTITUTE SHEET (RULE 26)

Figure 11

8 Ångstrøm neighbourhood The triad of cutinase compared to IGG1 triads A) The "score" is the result of: f(subset)/f(protein)

Therefore: "scores" > 1 means that residue/group is overrepresented "scores" < 1 means that residue/group is underrepresented

- 14 TAS1 - 14 TAS1 - 14 TOL IMCO #4 1018 #1-1758 #8-1758 #8-1758 #8-1752 #8-1752 #8-1752 #8-1752 #8-1752 #8-1752 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1753 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-1754 #8-175 2# 4875 S# 8A77 S# 1171 6# IAIF 8# TƏAF - 14 83 71 - 14 83 71 - 14 92 01 - 16 16 41 - 14 A7M1 - 14 H7M1 - 14 14 14 22 #22 #3-1FNS #3-1FNS #3-1PNG #4-- 1F11 #1-100 #5 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 # 110 1VGE #2-8FAB #4 1MIM #2 1MIM #4 SEB4 #1 1cex 7FAB #4

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8 Ångstrøm neighbourhood The triad of cutinase compared to IGG1 triads B) The "score" is the result of: f(subset)/f(protein)

Therefore: "scores" > 1 means that residue/group is overrepresented "scores" < 1 means that residue/group is underrepresented

□4,50-5,00 图5,00-5,50 回5,50-6,00 □0,00-0,50 □0,50-1,00 図1,00-1,50 図1,50-2,00 ■2,00-2,50 ■2,50-3,00 図3,00-3,50 図3,50-4,00 図4,00-4,50

27,50-8,00

© 6,50-7,00 ⊠7,00-7,50

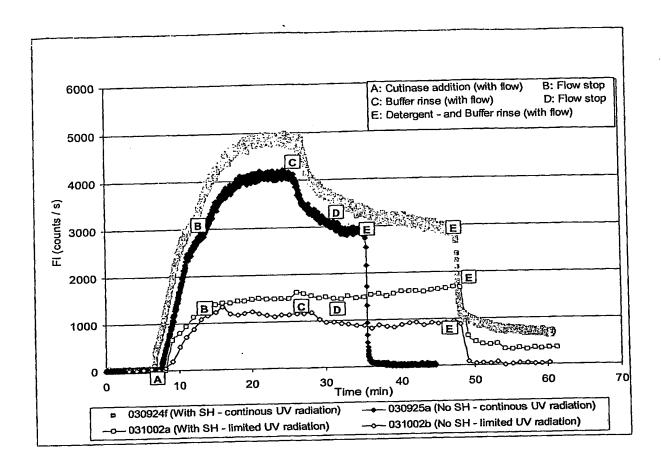
B6,00-6,50

- # T9At - 1 # J3LS - 1 # J3LS - 1 # JM # 1 H - 2 # SJ3L - 1 # J3L 1EC1 #1-1EIG #1-3SCS #3-1HKT #3-1FC2 #1-3HFM #1-1A6F #1-1A6T #4-6FAB #2-1CL7 #1-1CL7 #1-1CL7 #1-1CL7 #1-2VIS #2-1HKT #1-1EVC #2-1OPG #2-1F58 #2 1MLB #2 -6# 519୮ -8# T9A۲ I# BTWI 12E8 #8-1GIG #2-3505 1766 #1-170H #4-170H #3-1766 #3-1768 #7-SVIS #4-6FAB #3-1FIG #2-1FBI #3-3HFM #3-10VF #1-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 #2-1200 # 1cex-- 1# YSAI

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Figure 12

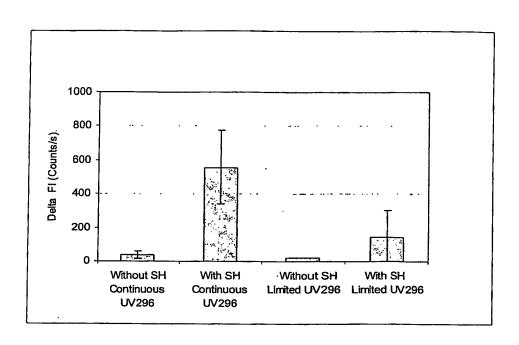
Figure 13



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Figure 14

Α



В

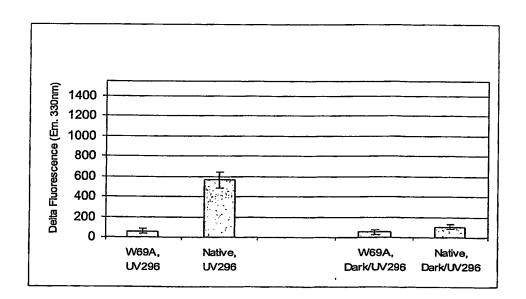
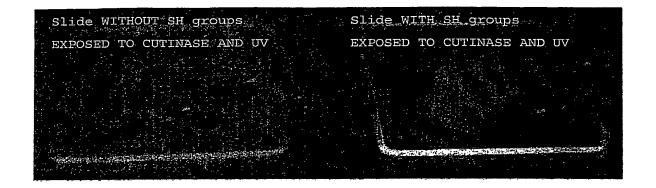
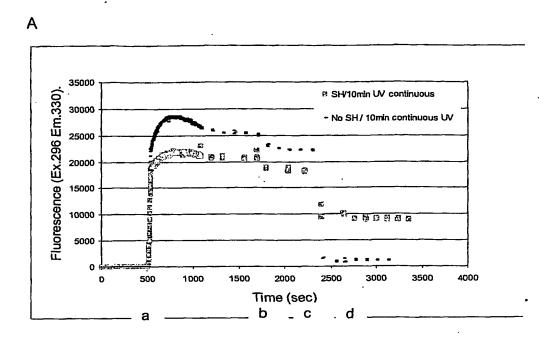


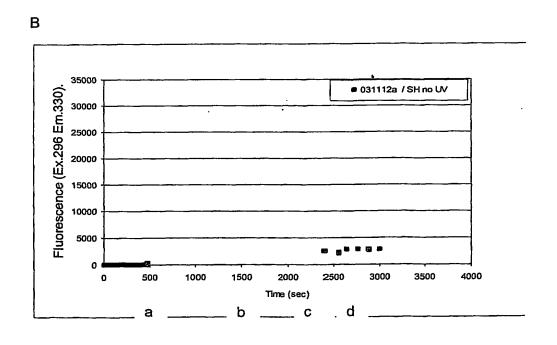
Figure 15



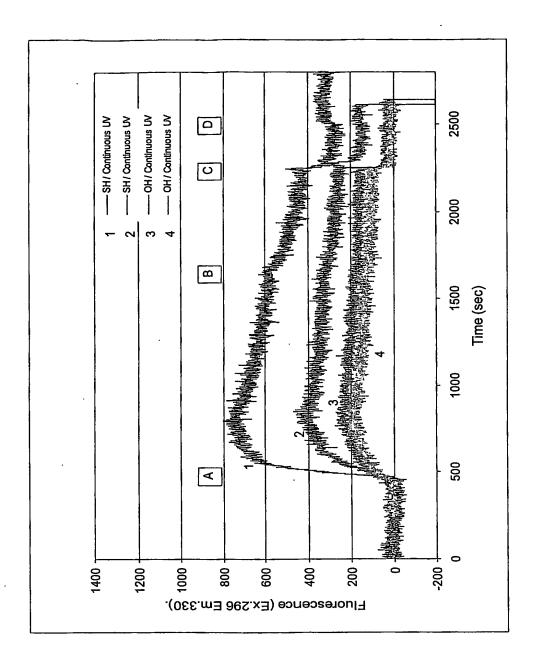
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Figure 16





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Figure 17 A

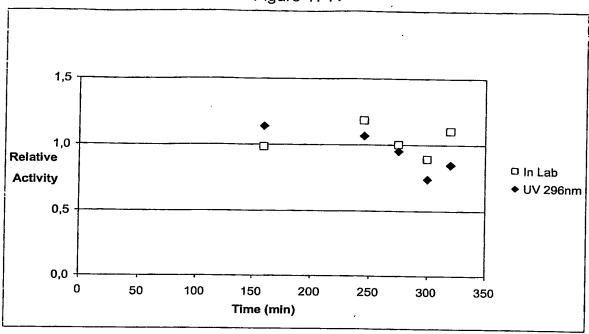


Figure 17B

